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**BOX AF**

Response Under 37 C.F.R. §1.116  
Expedited Procedure  
Group Art Unit: 2835

PATENT  
Attorney Docket No.: 040894-5653

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Satoshi NAKAMURA )  
Application No.: 09/818,686 )  
Filed: March 28, 2001 )  
For: PRINTED WIRING BOARD HAVING )  
HEAT RADIATING MEANS AND )  
METHOD OF MANUFACTURING THE )  
SAME )

**BOX AF**  
Group Art Unit: 2835  
Examiner: Boris L. Chervinsky

Commissioner for Patents  
Washington, D.C. 20231

Sir:

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**AMENDMENT UNDER 37 C.F.R. § 1.116**  
**TRANSMITTAL FORM**

1. Transmitted herewith is an Amendment Under 37 C.F.R. § 1.116 responding to the Final Office Action dated March 20, 2002.
2. Additional papers enclosed:
  - ☒ Request for Approval of Drawing Changes (with marked-up Figs. 7 and 8 attached)
  - ☒ Submission of Formal Drawings (7 sheets; 8 figures)
  - ☐ Information Disclosure Statement
  - ☐ Form PTO-1449, \_\_\_\_\_ references included
  - ☐ Citations
  - ☐ Declaration of Biological Deposit
  - ☐ Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

- ☒ Substitute pages 8-15 of the specification  
☒ Marked-up substitute pages 8-15 of the specification

3. Extension of Time

The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136(a) apply.

- ☒ Applicant believe that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicants have inadvertently overlooked the need for a petition and fee for extension of time.

- ☐ Applicant petition for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a), for the total number of months checked below:

<u>Total Months Requested</u>	<u>Fee for Extension</u>	<u>[Fee for Small Entity]</u>
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 400.00	\$ 200.00
<input type="checkbox"/> three months	\$ 920.00	\$ 460.00
<input type="checkbox"/> four months	\$ 1,440.00	\$ 720.00

Extension of time fee due with this request: \$

If an additional extension of time is required, please consider this a Petition therefor.

- ☐ An extension for \_\_\_\_\_ months has already been secured and the fee paid therefor of \$\_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

4. Constructive Petition

- ☒ EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§ 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-0310. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

5. Fee Calculation (37 C.F.R. §1.16)

CLAIMS AS AMENDED						
	Claims Remaining After Amendment		Highest No. Previously Paid	Present Extra	at Rate of	Total Fees
Total Claims (37 C.F.R. §1.16(c))	17	minus	21	0	x \$18 each =	+ \$
Independent Claims (37 C.F.R. §1.16(b))	2	minus	3	0	x \$84 each =	+ \$
<input type="checkbox"/> First presentation of Multiple dependent claim(s)					\$280.00	+ \$
SUB-TOTAL =						\$
Reduction by ½ for filing by a small entity						\$
TOTAL FEE =						\$

6. Fee Payment

- ☐ No fee is to be paid at this time.
- ☒ Upon review of the previous Amendment Transmittal filed on February 27, 2002 in this application, a fee of \$18.00 was paid for one additional total claim. However, it appears that fees for five additional total claims should have instead been paid. Accordingly, the Commissioner is hereby authorized to charge Deposit Amount No. 50-0310 the total amount of \$72.00 for the four additional total claims that should have been paid for in the previous response. The Commissioner is hereby authorized to charge any additional extension of time fee or additional fee for claims due to Deposit Account No. 50-0310.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, including fees due under 37 C.F.R. §§ 1.16 and 1.17, or credit any overpayment to Deposit Account 50-0310.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

By:



Paul A. Fournier  
Reg. No. 41,023

Dated: June 10, 2002

Customer Number 009629  
MORGAN, LEWIS & BOCKIUS LLP  
1111 Pennsylvania Avenue, N.W.  
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#10  
6-18.2  
Robert



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Washington, D.C. 20231

Sir:

SUBMISSION OF FORMAL DRAWINGS

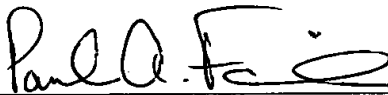
Filed herewith are SEVEN (7) sheets of formal patent drawings containing EIGHT (8) figures. It is requested that these drawings be approved and made part of the official record for this application.

If there are any fees due in connection with the filing of these drawings, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under

37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

By:   
Paul A. Fournier  
Reg. No. 41,023

Dated: June 10, 2002

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REQUEST FOR APPROVAL OF DRAWING CHANGES

Subject to the approval of the Examiner, it is respectfully requested that in Figs. 7 and 8, the legend "Related Art" be each added, as indicated in red on the attached drawing sheets for the above-identified application.

It is respectfully submitted that these changes introduce no new matter as they conform to the specification and/or drawing as originally filed, pursuant to 37 C.F.R. § 1.81(d).

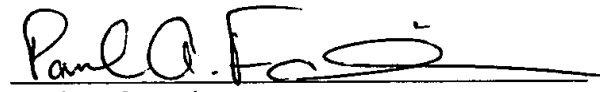
A Submission of Formal Drawings is also filed concurrently herewith.

If any fee is due in connection with the filing of this paper, please charge the fees to our  
Deposit Account No. 50-0310.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

By:

A handwritten signature in black ink, appearing to read "Paul A. Fournier", written over a horizontal line.

Paul A. Fournier

Reg. No. 41,023

Dated: June 10, 2002

Customer No.: 009629

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